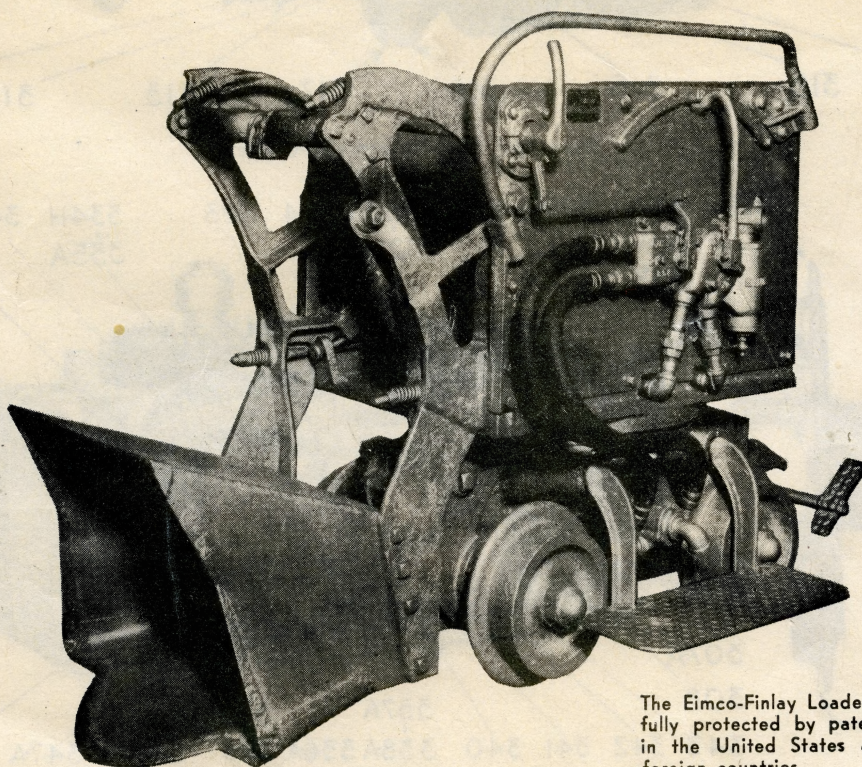


PARTS LIST

FOR

EIMCO LOADER



The Eimco-Finlay Loader is fully protected by patents in the United States and foreign countries.

ALL parts used in the Eimco-Finlay Loader have been designed by Eimco Engineers and are manufactured to rigid specifications—very largely from special heat-treated alloy steels. The use of substitutes will not only impair operating efficiency and increase maintenance costs, but may easily cause an expensive failure.

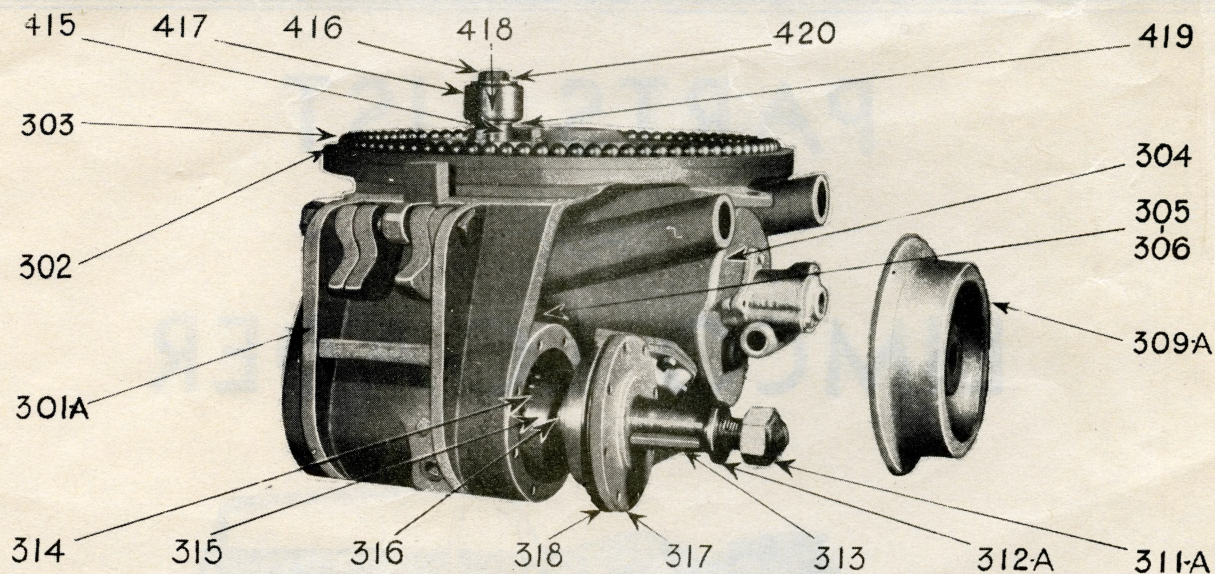
Model 12-B Serial No. _____

When ordering parts always give the SERIAL NUMBER OF THE LOADER, together with the name, parts number and quantity of each part required.

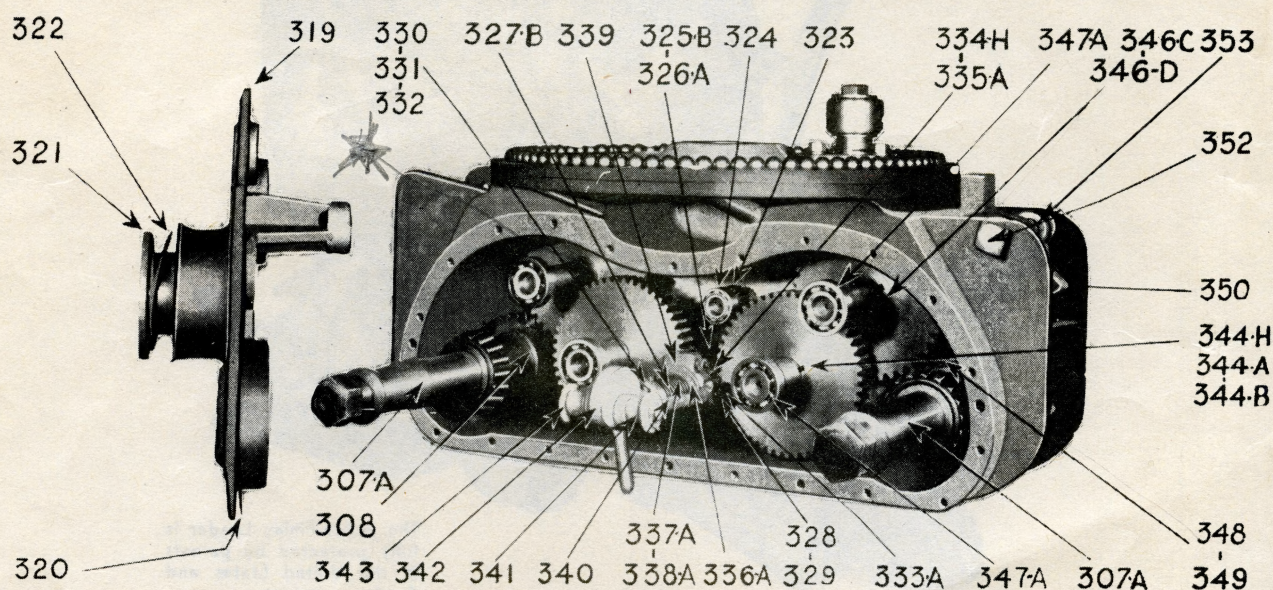
THE EIMCO CORPORATION

Salt Lake City, Utah, U.S.A.

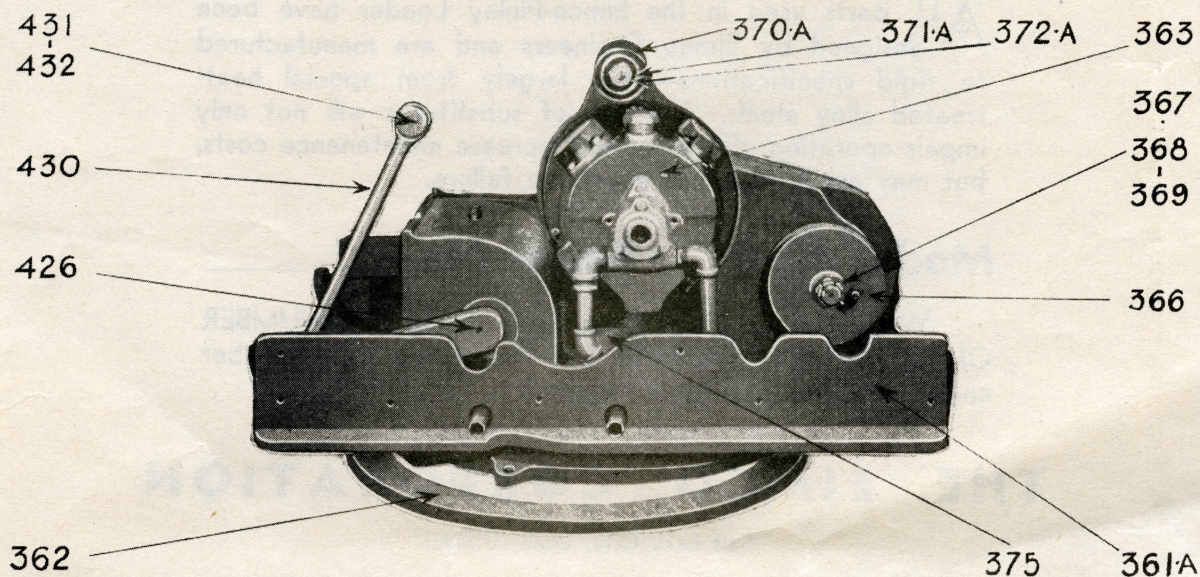
PARTS LIST FOR MODEL 12-B EIMCO-FINLAY LOADER



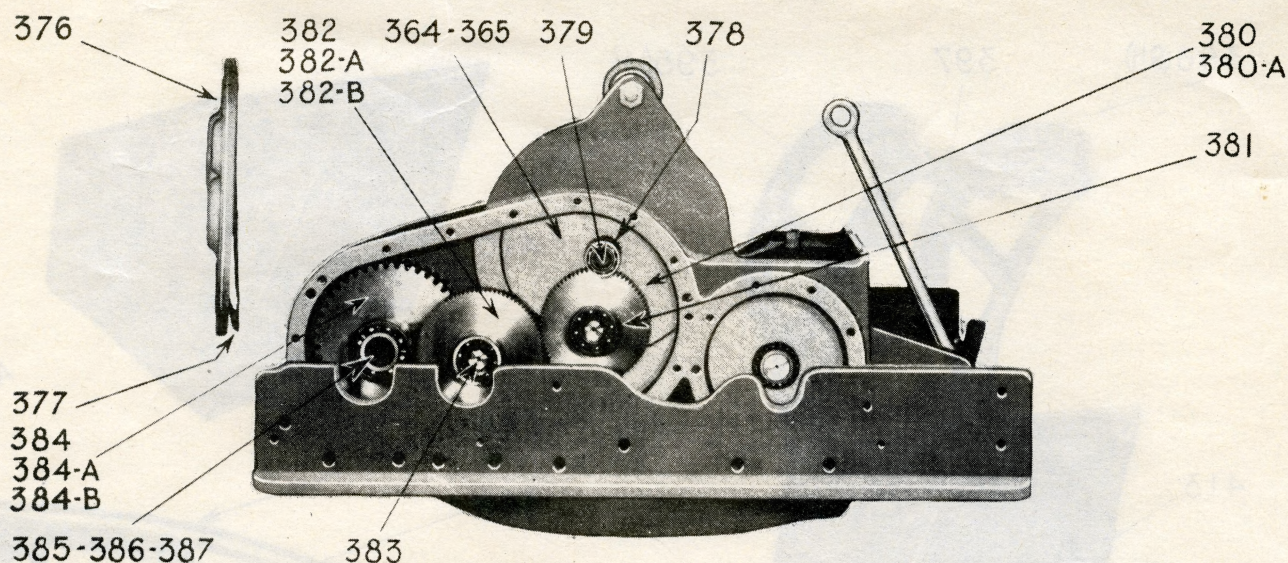
Lower-deck assembly from control side.



Lower-deck assembly—cover plate removed.



Upper-deck assembly from control side.



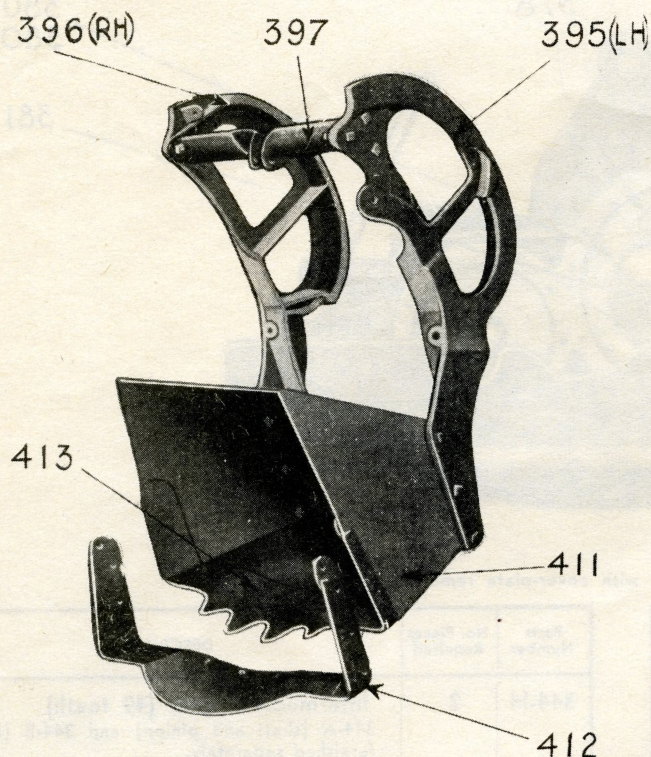
Upper-deck assembly with cover-plate removed.

Parts Number	No. Pieces Required	DESCRIPTION
301-A	1	LOWER DECK
302	1	Ball race
303	86	Turntable balls
304	1	Propelling motor, I-R—EE
305	1	Motor cover plate, EELD
306	2	Motor and cover plate gaskets
307-A	2	Axles (includes parts 348 and 349) not furnished separately
308	2	Axle spacers
309-A	4	Wheels
311-A	4	Axle nuts
312-A	4	Axle washers
313	4	Axle key
314	4	Axle bearing, Timken cone, 639
315	4	Axle bearing, Timken cup, 632
316	4	Axle bearing grease seal
317	2	Axle caps
318	2 (set)	Axle cap shims
319	1	Side plate
320	1	Side plate gasket
321	1	Side plate cap
322	1	Side plate cap gasket
323	1	Motor pinion
324	1	Motor pinion bearing, SKF 5205-M
325-B	1	Motor pinion driven gear
326-A	1	Motor pinion driven gear key
327-B	1	Clutch shaft —10 spline—
328	1	Clutch shaft inner bearing, SKF 6306
329	1	Clutch shaft inner bearing lock screw
330	1	Clutch shaft outer bearing SKF 6305
331	1	Clutch shaft outer bearing lock nut N05
332	1	Clutch shaft outer bearing washer W05
333-A	1	Clutch shaft spacer
334-H	1	Clutch shaft pinion —17 teeth—
335-A	1	Clutch shaft pinion bushing
336-A	1	Jaw clutch
337-A	1	Clutch spring
338-A	1	Clutch spring thrust washer
339	1	Clutch collar
340	2	Clutch throw-out rods
341	2	Clutch throw-out rod eyes
342	1	Clutch throw-out cam
343	1	Clutch throw-out cam shaft

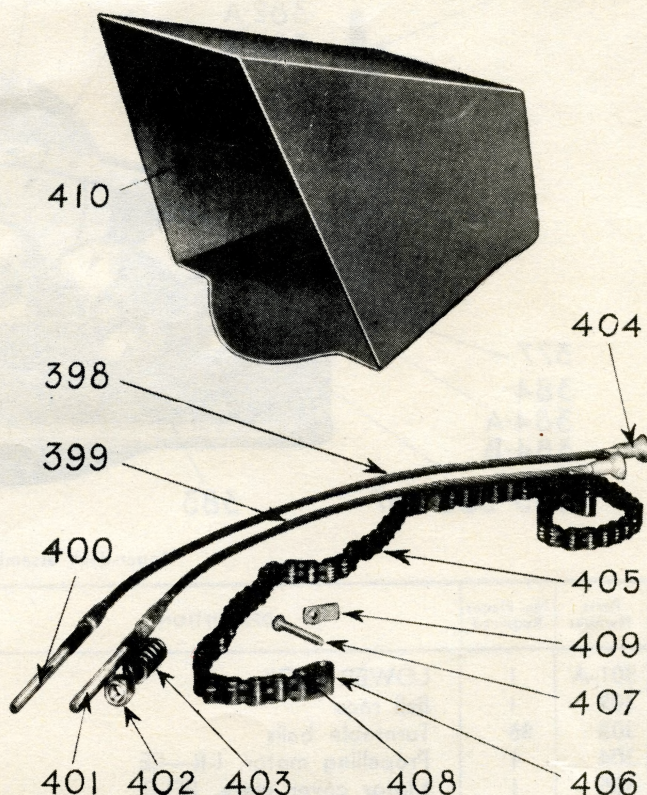
Parts Number	No. Pieces Required	DESCRIPTION
344-H	2	Intermediate gear (49 teeth) includes 344-A (shaft and pinion) and 344-B (key) not furnished separately.
347-A	4	Intermediate gear bearings, ND77207
346-C	2	Idler gear (lower deck) includes (shaft) 346-D not furnished separately
347-A	4	Idler gear bearings, ND77207
348	2	Axle driving gears } Furnished only
349	2	Axle driving gear keys } with axle (307)
350	6	Inside digging width stops
352	1	Digging width stop shaft
353	1	Digging width stop shaft spacer
361-A	1	UPPER DECK
362	1	Ball race
363	1	Elevating motor, I-R—EE
364	1	Motor cover plate, EEUD
365	2	Motor and cover plate gaskets
366	1	Chain reel
367	1	Chain reel drive key
368	1	Chain reel nut
369	1	Chain reel washer
370-A	1	Chain roller
371-A	2	Chain roller bearings, SKF 6207-Z
372-A	1	Chain roller shaft
375	1	King bolt (complete)
376	1	Side plate
377	1	Side plate gasket
378	1	Elevating motor pinion
379	1	Elv. motor pinion bearing, SKF 5205-M
380	1	Pinion-driven gear (upper deck) includes 380-A (shaft) not furnished separately
381	2	Pinion driven gear bearings, SKF 6306
382	1	Intermediate gear (upper deck) includes 382-A (shaft and pinion) and 382-B (key) not furnished separately
383	2	Intermediate-gear bearings, SKF 6306
384	1	Chain-reel gear, includes 384-A (shaft) and 384-B (key) not furnished separately
385	1	Chain reel shaft outer bearing, SKF 6308
386	1	Chain reel shaft inner bearing, SKF 6310
387	1	Chain reel shaft inner bearing grease seal

When ordering parts always give the serial number of the loader, together with the name, parts number, and quantity of each part required.

PARTS LIST FOR MODEL 12-B EIMCO-FINLAY LOADER



Rocker-Arm and Bucket Assembly.



Bucket—Bucket Chain—Rocker Cables.

Parts Number	No. Pieces Required	DESCRIPTION
395	1	Rocker arm, left hand
396	1	Rocker arm, right hand
397	1	Rocker arm yoke
398	2	Rocker cables, long (with fittings)
399	2	Rocker cables, short (with fittings)
400	2	Rocker cable adjusting bolt (long)
401	2	Rocker cable adjusting bolt (short)
402	4	Rocker cable adjusting bolt nuts
403	4	Rocker cable tension springs
404	4	Rocker cable end fitting
405	1	Bucket chain (with end links)

Parts Number	No. Pieces Required	DESCRIPTION
406	2	Bucket chain end links
407	2	Bucket chain end link pins
408	2	Bucket chain end link rivets
409	1	Bucket chain end link pin lock
410	1	Bucket

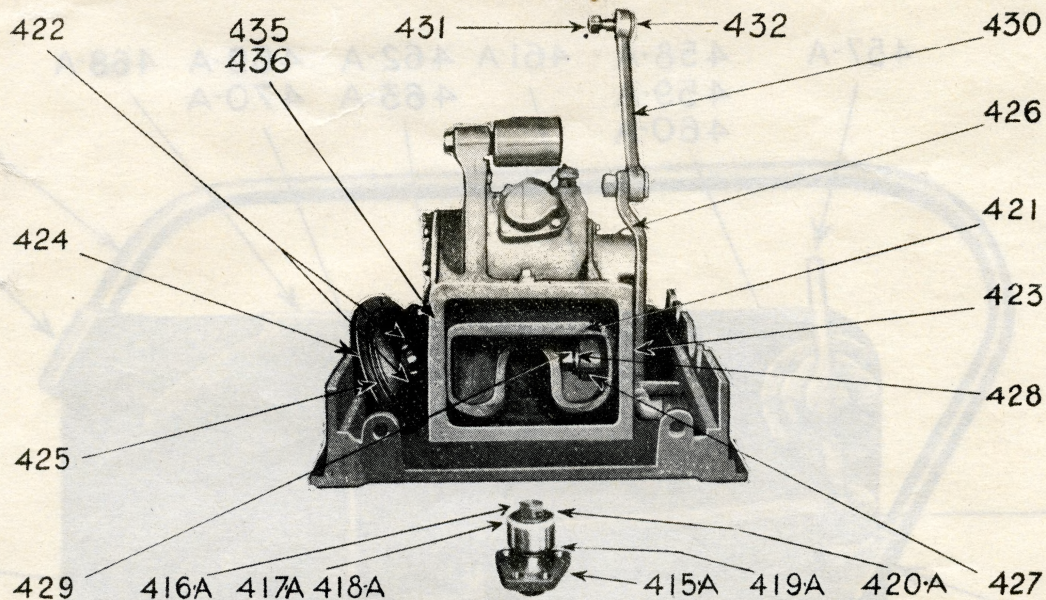
When ordering parts always give the serial number of the loader, together with the name, parts number, and quantity of each part required.

NOTE

All Model 12-B Loaders are fundamentally standardized in design and construction, with all parts manufactured by precision methods which assure absolute interchangeability. Different patterns of rocker arms, buckets, and other related parts are necessary however, to provide correct dumping height and discharge distance for any given size and type of mine car. Provision must be

made, also, for the particular track gauge and size of rail upon which the loader is to operate.

Because of these necessary differences in details of construction it is essential that the SERIAL NUMBER OF THE LOADER should be given when ordering replacement parts. We keep a complete record of the patterns used for each machine, and when given the correct serial number can always duplicate any original part.

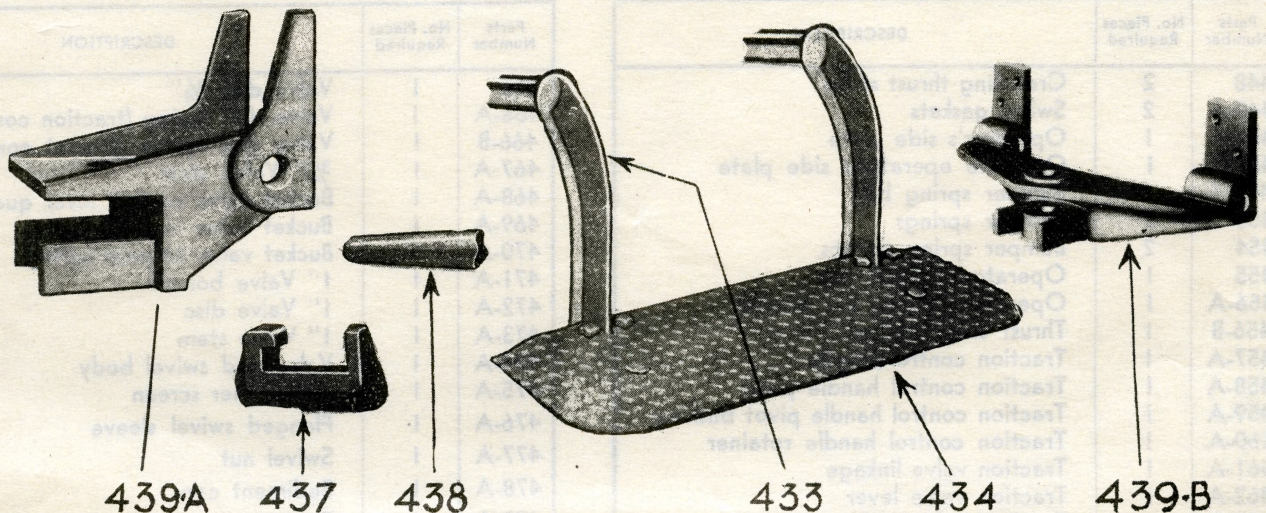


Upper Deck Assembly showing patented Automatic Centering Device.

Parts Number	No. Pieces Required	DESCRIPTION
415-A	1	Centering roller anchor
416-A	1	Centering roller anchor nut
417-A	1	Centering roller
418-A	1	Centering roller bushing
419-A	1	Centering roller washer (lower)
420-A	1	Centering roller washer (upper)
421	1	Centering drum
422	2	Centering drum bearings, Timken cone 11162, cup 11300
423	1	Centering drum bearing grease seal
424	1	Centering drum housing cap
425	1 (set)	Centering drum housing cap shims
426	1	Centering drum drive lever
427	1	Centering drum drive lever key
428	1	Centering drum drive lever washer

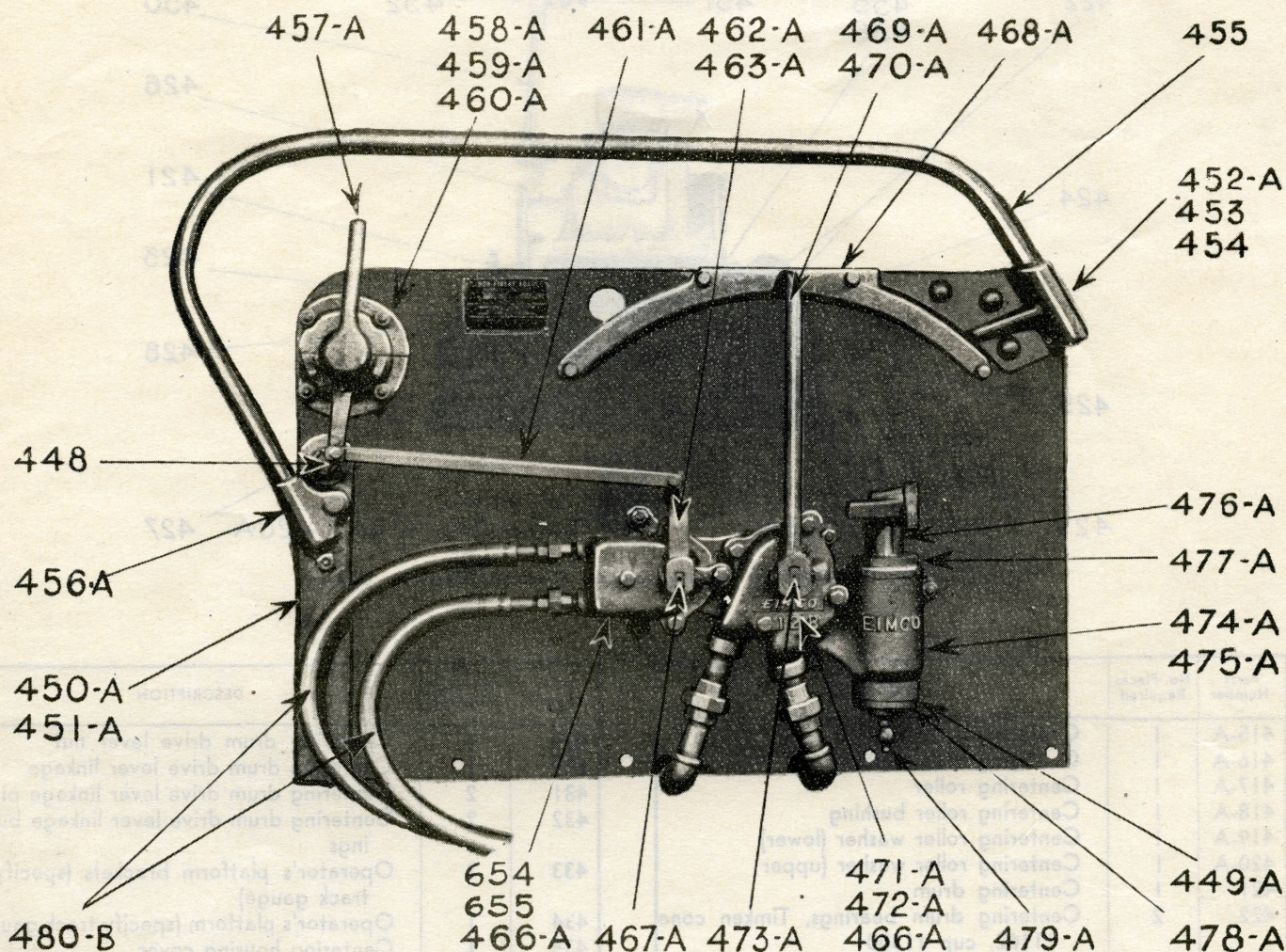
Parts Number	No. Pieces Required	DESCRIPTION
429	1	Centering drum drive lever nut
430	1	Centering drum drive lever linkage
431	2	Centering drum drive lever linkage pins
432	2	Centering drum drive lever linkage bushings
433	2	Operator's platform brackets (specify track gauge)
434	1	Operator's platform (specify track gauge)
435	1	Centering housing cover
436	1	Centering housing cover gasket
439-A	1	Bumper
439-B	1	Bumper

When ordering parts always give the serial number of the loader, together with the name, parts number, and quantity of each part required.



Bumpers, Rail Clamp, Operator's Platform.

PARTS LIST FOR MODEL 12-B EIMCO-FINLAY LOADER



CONTROL EQUIPMENT

An outstanding feature of the Model 12-B Eimco-Finlay Loader (as compared with the Model 12 which it super-sedes) is the new stream-lined control equipment illustrated above, which admits air faster, simplifies the piping layout and improves operating convenience.

Loader. This change increases the effective speed and power of both the traction and bucket-elevating motors, and usually more than justifies the moderate expense involved. With the addition, also, of our new five-cylinder motors (see page 8) any Model 12 Eimco-Finlay Loader becomes identical with the Model 12-B.

Parts Number	No. Pieces Required	DESCRIPTION
448	2	Crowding thrust stops
449-A	2	Swivel gaskets
450-A	1	Operator's side plate
451-A	1	Opposite operator's side plate
452-A	1	Bumper spring bar
453	2	Bumper springs
454	2	Bumper spring clamps
455	1	Operator's guard bar
456-A	1	Operator's guard bar bracket
456-B	1	Thrust stop bracket
457-A	1	Traction control handle
458-A	1	Traction control handle pivot
459-A	1	Traction control handle pivot bushing
460-A	1	Traction control handle retainer
461-A	1	Traction valve linkage
462-A	1	Traction valve lever
463-A	1	Traction valve balance spring
654	1	Valve bonnet $\frac{3}{4}$ "

Parts Number	No. Pieces Required	DESCRIPTION
655	1	Valve disc $\frac{3}{4}$ "
466-A	1	Valve disc spring (traction control)
466-B	1	Valve disc spring (bucket control)
467-A	1	$\frac{3}{4}$ " Valve stem
468-A	1	Bucket valve control lever quadrant
469-A	1	Bucket valve control lever
470-A	1	Bucket valve balance spring
471-A	1	1" Valve bonnet
472-A	1	1" Valve disc
473-A	1	1" Valve stem
474-A	1	Valve and swivel body
475-A	1	Air cleaner screen
476-A	1	Flanged swivel sleeve
477-A	1	Swivel nut
478-A	1	Sediment cap
479-A	1	Drain cock
480-B	2	Traction motor air base

When ordering parts always give the serial number of the loader, together with the name, parts number, and quantity of each part required.

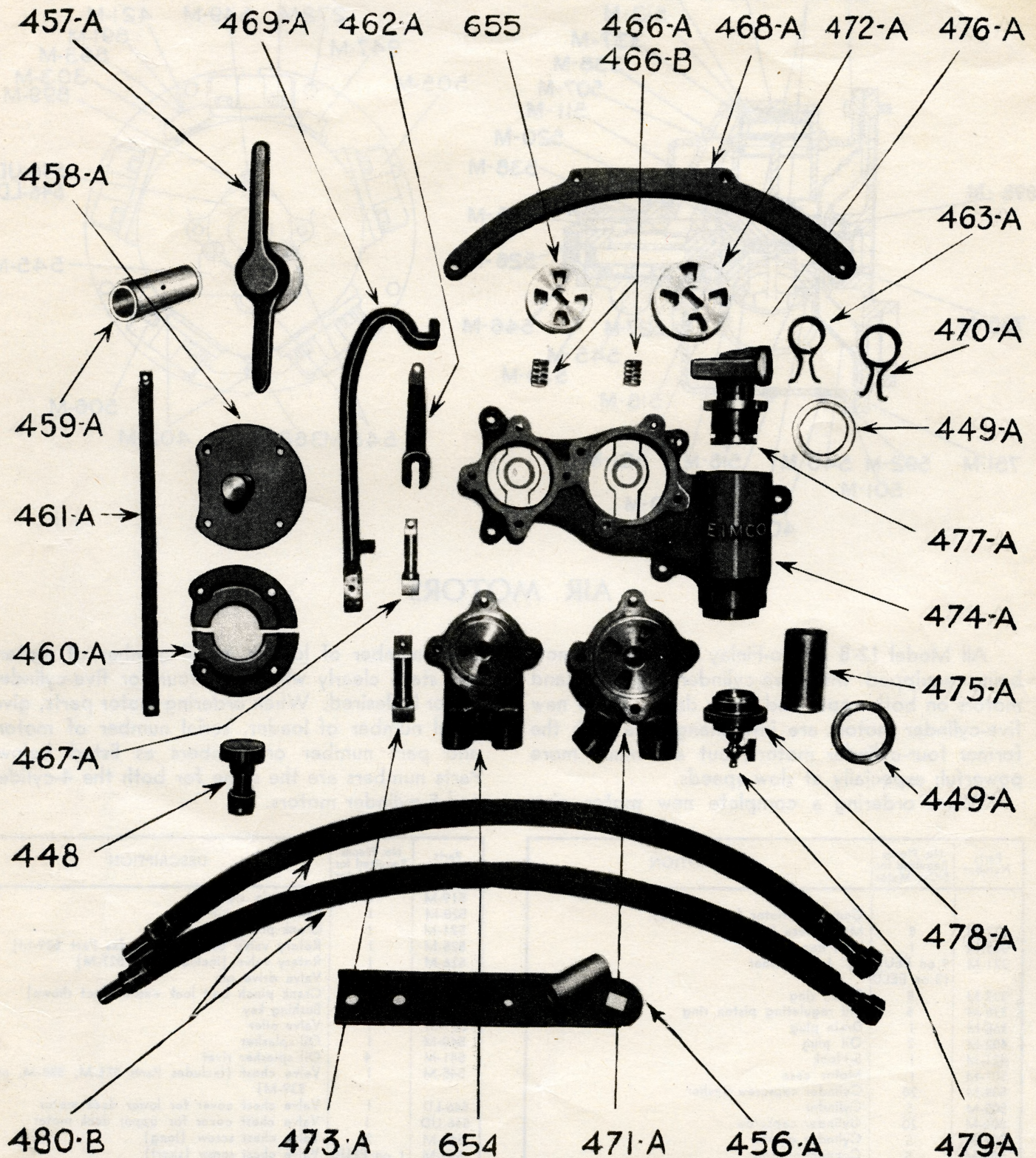
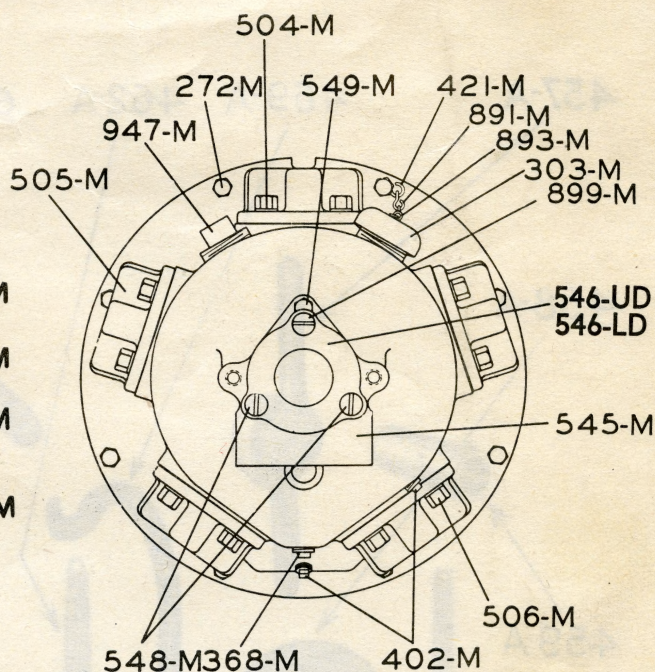
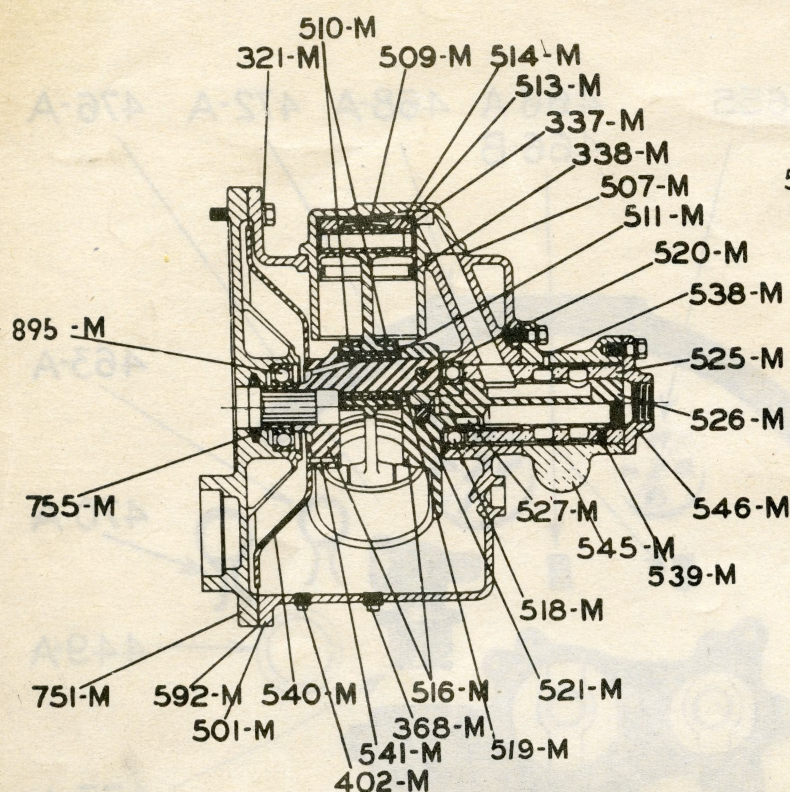


Illustration above shows all individual parts comprised in control equipment assembly shown on opposite page (with corresponding numbers) so that accurate identification of any particular part may be more readily accomplished.

When ordering parts always give the serial number of the loader, together with the name, parts number, and quantity of each part required.



AIR MOTORS

All Model 12-B Eimco-Finlay Loaders are now being equipped with five-cylinder Ingersoll-Rand motors on both upper and lower decks. These new five-cylinder motors are interchangeable with the former four-cylinder motors, but are much more powerful; especially at slow speeds.

When ordering a complete new motor give

serial number of loader, serial number of motor, and state clearly whether a four- or five-cylinder motor is desired. When ordering motor parts, give serial number of loader, serial number of motor, and part number or numbers as listed below. Parts numbers are the same for both the 4-cylinder and 5-cylinder motors.

Parts Number	No. Pieces Required for 5-Cyl. Motor	DESCRIPTION
272-M	8	Complete motor (see page 3)
303-M	1	Motor case bolt
321-M	9 on EEUD 12 on EELD	Vent cap
337-M	5	3/8" Lock washer
338-M	5	Piston ring
368-M	1	Oil regulating piston ring
402-M	2	Drain plug
421-M	1	Oil plug
501-M	1	S-Hook
504-M	20	Motor case
505-M	5	Cylinder cap screw washer
506-M	20	Cylinder
507-M	5	Cylinder cap screw
509-M	5	Cylinder gasket
510-M	2	Connecting rod
511-M	1	Connecting rod ring
513-M	5	Connecting rod bushing
514-M	5	Piston
516-M	1	Wrist pin (includes caps)
A-516-M	1	Crank, bare (includes Parts 519-M, 520-M, 521-M, 537-M, 540-M and 541-M (4))
518-M	1	Crank, complete (includes Parts 509-M (4), 510-M (2), 511-M, 516-M, 518-M (2), 519-M, 520-M, 521-M, 537-M, 540-M and 541-M (4))
		Crank bearing valve end

Parts Number	No. Pieces Required for 5-Cyl. Motor	DESCRIPTION
519-M	1	Crank pin sleeve
520-M	1	Crank taper pin
521-M	1	Crank pinch bolt
525-M	1	Rotary valve bushing (includes Part 539-M)
526-M	1	Rotary valve (includes Part 527-M)
527-M	1	Valve drive pin
537-M	1	Crank pinch bolt lock washer (not shown)
538-M	1	Bushing key
539-M	1	Valve oiler
540-M	1	Oil splasher
541-M	4	Oil splasher rivet
545-M	1	Valve chest (includes Parts 525-M, 538-M, and 539-M)
546-LD	1	Valve chest cover for lower deck motor
546-UD	1	Valve chest cover for upper deck motor
548-M	2	Valve chest screw (long)
549-M	1 on EEUD 2 on EELD	Valve chest screw (short)
592-M	1	Motor case cover gasket
751-M	1	Motor case cover (includes Part 755-M)
755-M	1	Motor pinion packing
891-M	1	Vent Cap Chain
893-M	1	Vent Cap Cotter
895-M	1	Crank bearing, pinion end
899-M	1	Valve Chest Cover Screw
932-M	2	Jack bolt (not shown) for removing valve chest from motor
947-M	1	1 1/4" Pipe Plug

When ordering parts always give the serial number of the loader, together with the name, parts number, and quantity of each part required.